NEEWER

Dear users, the configuration for this camera is professional, so please read the user manual carefully before using the camera.

IP Camera

User manual

2015-05 V2.0

Statement

If the user manual can not help you to solve the problem, please call our technology center for solutions. We will update the content for the new functions without notice.

Notice

1. Installation Environment

- Keep away from high-temperature, heat source and direct sunlight:
- Keep away from water and when get wet, cut off the power immediately.
- Avoid using in damp environment; the reference range for operation humidity is under 85%RH.
- Avoid using in overheating or too cold environment, the reference range for operation temperature is -10°C~ +50°C
- Please install it horizontally or wall mounting, avoid strenuous vibration place and do not put other equipments onto the item

2. Transport and Handling

- The package is well-designed to ensure the security during the delivery, so please do not change the package at random.
- Do not move the ip cameras from overheated to super-cooled condition frequently, otherwise it will frost and shorten the service life.
- Do not move the item when power on, otherwise the main board might be damaged.



lotice:

- 1. Please check the power supply before it works.
- 2. Be careful not to bang the camera or subject it to strong impacts or shocks.
- Do not touch the optical components for the image sensor directly, if necessary, please place a clean and moistened cloth with alcohol and wipe the dirt gently. When not in use, please place the dust cover on the item to protect the image sensor.
- 4. Do not aim the camera directly at the sun or at other intense light sources that could affect the image quality (it is not the problem of ip camera), and also shorten the service life for the image sensor.
- 5. Keep away from laser when it is working, otherwise the image sensor can be damaged.
- If the equipment does not work properly, please contact the store or the service center, do not disassemble or modify the equipment in any way. (Problems caused by unauthorized modification or repair should be at your own risk.)

Index

1 PRODUCT INTRODUCTION	3
1.1 PRODUCT SUMMARY	3
1.2 PACKAGE FOR TYPICAL PRODUCTION	
2 INSTALLATION GUIDE	3
2.1 WIRED CONNECTION TO LAN	3
2.2 WIFI CONNECTING TO LAN	4
2.3 CONNECTING TO WAN	
3 OPERATION OF IE BROWSER	7
3.1 VIEW VIDEO.	7
3.2 DEVICE INFORMATION	
3.2.1 Device status	8
3.2.2 Device alias setting	δ
3.2.3 Device date and time setting	
3.2.4 Local recording path	
3.3 DEVICE WEB SETTING	
3.3.1 Basic network settings	
3.3.2 Wireless wifi settings	
3.3.3 Manufacture's DDNS setting	
3.3.4 Third party DDNS setting	
3.3.5 UPnP settings	
3.4 ALARM SETTINGS	
3.4.1 Alarm service setting	10
3.4.2 Mail Service Setting	
3.4.3 FTP Service Setting	
3.4.4 Alarm log	
3.5 USER AND DEVICE SETTING	
3.5.1 Multi-device Setting	
3.5.2 User Settings	
3.5.3 PTZ settings	
3.5.4 Meintain.	1
4 VISITING DEVICE BY OTHER SOFTWARE	1
4.1 OTHER WEB BROWSER	
4.2 MOBILE PHONE SOFTWARE	14
5 PRODUCT FAMILY FOR L SERIES	
5.1 VGA PTZ CAMERA P100	1

1 Product introduction

1.1 Product summary

Thank you for choosing our company's L-S series IP camera, the IP Camera combines a high quality digital video camera with network connectivity and a powerful web server to bring clear video to your desktop from anywhere on your local network or over the Internet. It is very suitable for family, shops, office building and so on.

Main features for L series:

- The video is compressed by MJPEG. There are VGA/QVGA/QQVGA three
 optional video resolutions. User can changes some parameters according to
 their demands to satisfy his own visual preference:
- Infrared LED for night vision covers an area of 5m, to achieve 24-hours monitoring;
- Support 802.11b/g/n protocol, can build up wireless monitoring;
- · Support motion detection, send alarm information by email and FTP;
- Support view on mobile phone;
- Built-in web server, all data is transferred through one port; it is easy for user to do the network setting;
- Manufacture attached a label at the bottom of each IP Camera, it include DDNS.
 When IP Camera is connected to the internet, this URL can be used to visit the device:
- Manufacturer provides free software, support Multi-view, long time recording, video playback etc;

2 Installation guide

2.1 Wired connection to LAN

Power on the IP camera, connect IP camera to router by network cable, meanwhile, connect computer to the same router, example of figure 1.



Figure 1

Insert CD to computer driver, double click "Lsearch_en.exe" in the CD, run the software, click "Search", select the searched device, click "Browse" to open browser, it will pop up user login dialog, enter default user name(admin) and password/1(23455) to login the camera as floure 2.



Figure 2

We suggest using IE kernel browser to view the video (it can provide more functions), but user needs to install video player before viewing the video. Click "OCX Download" to download COX and install it.

Notice:

- If you installed the firewall software in your PC, when you run the LSearch_en.exe, it
 may pop up a window to say "whether you want to block this program or not", then
 you should choose not to block.
- You can hold on reset button on the camera for 10 seconds to restore factory default
 if you forget user name and password, during the process, don't disconnect the
 power otherwise the camera maybe damaged.

2.2WIFI connecting to LAN

You can connect the camera with router by wireless connection, as figure 3.



Before connecting router by wifi, please connect them as chapter 2.1 to Login camera and enter wifi setting, and then operate as the following step, example of figure 4.

		-	•	
	D	98D	BAC	
	5	Side	00:28:12:24:7e:c4	atti
	2	CAM6602	00:23:02:03:66:02	dil
	3	object	5c:e8:73:ad:05:88	
		abct	e0.05 c5 ca 19:36	-att
	5	song001	38:83:45:c2:a4:ba	lite.
	8	yfb-lest2	b0:48:7a:59:d0:c2	in
Wireless Network List	7	QC-YYY	00:1e:58:f3:78:57	,411
	10.1	-	- AND THE REAL PROPERTY.	- 10
	9	CAM	00:0a:eb:56:fe:70	.11
	10	ABC	5c63:tif7a:0c86	11124
	11	LIFE	Nac38321578	util
	12	GCS-ray	74 ea 3a 28 33 52	1800
	Sican			
Using Wireless Lan	R			
SSID	owen			
WI-FI Channel	1			
Network Type	Intra T			
Authelication	WPA	PSK Personal (TKIP)	=	
Share Key				



Flaure 4

Enter the Wireless LAN Setting, click the "Scan" button, it will show you all the wireless networks detected in the Wireless Network List column. Select one of them and the "Using Wireless Lan", then the relevant data of the selected wireless network will be shown in the following blanks. Input the password and click "Submit", then the WiFI setting is finished. Unplug the cable, then you can connect to router by wifi.

Notice: When the device is connected both WIFI and wired, it will firstly connect to the wired network. If the camera enables DHCP to obtain IP address automatically, so the IP address is not same in wired connection and wifi connection, recommend to set fixed IP address for the camera.

2.3 Connecting to WAN

You should connect the LAN network to WAN first and do the port forwarding, connect as figure 5.

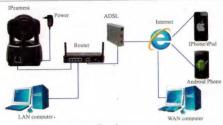


Figure 5

If visit IP Camera from WAN, you must do port forwarding on the router. Example of foure 6.



Figure 6

Operation Steps:

- 1) After login the interface of the router, choose "Port Forwarding";
- 2) Choose "Add custom Service";
- 3) Input IP camera http port:
- 4) Input IP address of IP camera, click "Apply".

After finishing the port forwarding, you can use WAN IP address of router and http port of camera to visit the camera by remote computer as figure 5.

Notice: Because of the differences of the routers, the interface and setting method of router are also different. About how to do the port florwarding for various routers, please refer to the user manual of your router or consult with router manufacturer.

3 Operation of IE browser

3.1 View video

After installing the plug-ins, click "Mode 1 to view" as Figure 2 to view the video (video as Figure 7).



1) Audio, Talk, Record, Snapshot

You can click these buttons to perform audio, talk, record and snapshot functions.

Note: about recording path, click button to enter setting interface, you can set it in "Local Recording Path", as figure 8.



Figure 8

2) Multipicture change button

If you add multi-devices in chapter 3.5.1 "multi-device setting", it will connect other device to display pictures automatically and change into 4, 9 split screen. In playing video area, you can select a picture to control audio, talk, record, snapshot and PTZ control etc.

3) Viewing control area

When viewing video, you can control PTZ moving, picture reversal and mirror etc., and can adjust picture parameters, includes resolution, brightness etc.

The camera supports 16 preset points, you can set one place as preset point when moving the PTZ to a place, also can call the preset point when the camera move to another place, so the camera can return to the set place.

Note: Button can control work mode of IR LED. IR LED may have auto, forced close two mode, the IR LED will power on or off according to environment light in auto mode; the IR LED always power off in forced close mode.

4) Setting device parameters

Click button to enter setting interface, you can set all parameters of the camera described in chapter 3.2 to 3.5. Only administrator can login to set these parameters.

3.2 Device information

3.2.1 Device status

The user can obtain "Device firmware version"," Web UI version", "Alias", "AP MAC" etc.

3.2.2 Device alias setting

The user can name the camera, example for home, office etc.

3.2.3 Device date and time setting

It can achieve "Sync with NTP Server" when the device was connected to WAN, but you need to select correct time zone where the camera is located, or select "Sync with PC time".

	Sevice data L'Ilmo Suttings
Device Clack Time	Thursday, January 17, 2013 02:17:02
Device Clock Timezone	(GMT +08:00) Beijing, Singapore, Taipei
Sync with NTP Server	2
Hitp Server	sinse.nist.gov 💟
	Sync with PC Time



Figure 9

Remark: Please carefully check the camera time, so it can ensure the alarm accuracy.

3.2.4 Local recording path

The camera will create a file folder named "Record files" automatically when the user don't set "local recording path" or launch recording directly, and then save recording file to the folder, as figure 10.

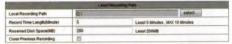




Figure 10

3.3 Device web setting

3.3.1 Basic network settings

The user can also enter the Basic Network Settings to set the IP address instead of using the search software "LSearch_en.exe". See below Figure 11.

Obtain IP from DHCP Server	0	
PAGE	192 168 0 111	
Sylpnet Mask	255.255.255.0	- r
Galeway	192 168 0.1	
DONS Severs	8.8.6	
DDNS Server2	262 96 129 166	
Hitle Port	80	

Date (False)

Figure 11

Remark: The router connected to camera need to enable DHCP when the user uses "obtain IP from DHCP server"; the routers enable DHCP by default.

3.3.2 Wireless wifi settings

Please refer to chapter 2.2.

3.3.3 Manufacture's DDNS setting

Manufacturer puts a label of DDNS at the bottom of each IP Camera, it is unique, the manufacturer has established a DDNS system, and allotted a DDNS to every device, the user only enter the website into browser and then view it from remote PC, example of figure 12.



Figure 12

3.3.4 Third party DDNS setting

User can also use third party DDNS, such as <u>www.dvndns.com</u>, User must apply a free domain name from this website and fill the inflo into the below blanks (Figure 13) and save the settings. Then the domain name can be used.

Third Party DDNS Service	DynOns orgidyndns) •	
DDMS User	plest	_
CONS Pessword	*******	
CDHS Host	blest dyndhs big	
DONS Status	Errors in Network Communication	

(Anton) (Antonia)

Figure 13

Notice: Using the third party domain name, if the http port is not 80, the port number should be adding to the domain name with colon. Example: http://btest.dyndns.blz:81. Don't enter port number when you use manufacturer's DDNS.

3.3.5 UPnP settings

If you are in the UPnP mode, once the IP camera is connected into the LAN, it will communicate with the router in the LAN and do the port-forwarding with open port of router automatically. In figure 14, just tick "Using UPnP to Port Mapping" to finish the setting.



Figure 14

Before using the UPnP function, please make sure the router's UPnP function has been enabled. Not all the routers support UPnP perfectly. Please test if the router works well with the equipment, if not, we suggest you to disable this function and do the port-forwarding manually.

3.4 Alarm Settings

3.4.1 Alarm service setting

If user need to monitor a fixed area, when there is any motion, it will detect the motion

and tngger the alarm. About the motion detect sensibility, the smaller the value, the more sensitivity.

After taggering the alarm, you can adopt several alarm modes in armed time, example of figure 15.

- Link to the Preset when alarming need to set preset point of the camera,
- Send alarm info by email (a email include a picture), every alarm trigger a email;
- Send the snap to the FTP server, user can also set the interval time between two pictures

Device only Inggers alarm when it detects any motion in armed time. User can set schedule time to be "all the time" as the armed time. Before you set "Time Schedule", please go to Date and Time settings to set the correct time for the item.

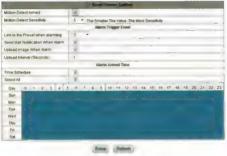


Figure 15

3.4.2 Mail Service Setting

When it detects alarming, it can send email to your appointed email box, but you need to set email service parameters correctly Example of figure 16, click "Sübmit" to save these parameters, and then you can click "Test" to check if the setting is successful



Figure 16

3.4.3 FTP Service Setting

When alamming, the device will snap local picture and send them to FTP server, but need to set the FTP setting correctly. As figure 17, after the setting is finished, click "Test" to check your settings are successful or not.



Design, Comments

Figure 17

Notice: When using the FTP function, you need to apply a user with authority that you can write and create submenu and some memory space.

3.4.4 Alarm log

You can inquire when the device performs alarm in alarm log

```
motion slamm 2013-01-30 11794:54
motion slamm 2013-01-30 11794:54
motion slamm 2013-01-30 11794:54
motion slamm 2013-01-30 11797:14
motion slamm 2013-01-30 11797:05
```

Figure 18

3.5 User and device setting

3.5.1 Multi-device Setting

As Figure 19, User can add maximum 9 devices to view video simultaneously. Click "refresh" button to check the device in the LAN. When click a device, setting dialogue will pop up enter the device info, and click "Add" to add device. After that, click "Setup" button to save device.

Device List in LAN	WFICAM(192 168 0 111)	
Delice Cir III CAN	- · · · ·	
The 1st Device	Yhis Device	
The 2nd Device	WFICAM(192 168 0 144)	
The 3rd Device	WFICAM(192 168 0 111)	
The 4th Device	None	
The 5th Device	Ngge	
The 6th Device	None	
The 7th Davice	None	
The 8th Device	None	
The 9th Device	None	

Articol (Arthrel)

Figure 19

3.5.2 User Settings

User Authority	User	Passwo	rd
Administrator	admin		
Operator		***	
Viellor	_		

CONTRACT CONTRACT

Figure 20

3.5.3 PTZ settings

Disable Presel	2	
Call the Preset after reboot	Desable *	
PTZ Speed	Mid *	
Cruise Turns	Alemen V	

3400;

Figure 21

Note. When you set cruise turns all the time, the camera will stop after cruising one hour automatically.

13

3.5.4 Maintain

Pastore Factory Sallings	Restore Factory Settings		
Rabool Device	Reseast Desce		
Upgrade Device Ferensie	(Browne Linguage		
Upgrade Dovice Embedeé Web UI	Browse. Upgrade.		

Figure 22

Click "Restore factory settings", it will pop up a dialog to ask if restore factory settings or not, the camera will restore factory settings and reboot after you confirmed

There are two types software in the camera, one is device firmware, another is Web UI, and you can upgrade them respectively

4 Visiting device by other software

4.1 Other web browser

Except for IE browser you can visit the camera by Firefox Safan, Chrome Opera browser etc., please select "Mode 2 to view"

4.2 Mobile phone software

For more information, please see the user manual for mobile phone in attached CD, or download the latest software and user manual in our website.

5 Product family for L series

5.1 VGA PTZ Camera P100



Figure 23

The camera adopts 300K pixels CMOS sensor, 3 6mm lens, built-in PTZ and MIC, 11 pieces IR LED, audio out socket. It accepts 5V power adaptor

Statement:

- 1. If you have any questions of the manual, please contact our technical support
- 2 This manual will be updated periodically; the company reserves the right without prior notice.

FAQ:

1. Why my camera cannot be connected by wireless?

Normally the camera cannot be connected by WiFi mainly due to wrong settings. Please check the following points.

- 1) Check the antenna of the camera whether it is fixed well or not. 2) Press the scan button icheck whether the camera can find WiFi signal around
- 3) When you set SSID for cameral please make sure it is the same as SSID of your router
 - 4) Wireless key should be the same with the router's wireless key,
- 5) Whether "disable" mac address filter or not, (It should be disable. If you enable mac address filter please add the camera's wireless mac address into the allowing list.)

6) Whether the camera is too far from the router? (In normal home environment, keeping the distance not beyond 20m is better)

Firstly glease press scan button check whether the camera can detect the WIFI signal or not Normally it needs scanning twice or more if the WIFI signal can be found, you can choose the SSID of your router in the wireless signal list. The encryption will be filled in the box automatically. You only need to mout the wreless key

Secondly if the router's WiFI signal can not be scanned please fill in SStD encryption and wireless key manually to have a try

castly if all the weeless settings have no problem, but the camera still cannot opened the WIF Please try other encryptions, even without encryption to test. Put the camera near your router to test. If it still cannot connect please contact our technical service support at support@neewer.com for further help

2 Why I can't hear sound when the camera has audio function?

1) Please check whether your computer can play music or not.

- 2) If you insert an earphone to your computer in-ease turn on the switch of the earphone
- 3) Make sure the earthone icon active on the visitor UI
- 4) Make sure the Network speed not too slow.
- 5) Make sure the sound is not so far from the camera and loud enough for the camera to capture

3 When I test speaking, there is a loud noise. Is there anything needed to notice?

1) Do not but the camera too near to the microphone when you are speaking, or it will cause noise 2) Do not use earphone icon and microphone icon at the same time

4. Why there is no sound coming from the speaker even when the speaking function is normal?

- 1) Check if the microphone switch used to speak turn on or not:
- 2) Make sure the microphone icon active on visitor Ut,
- 3) Make sure the Network speed not too slow.

5. How to download camera software when the attached CD was damaged?

Please visit the website www neewer com to download the software

6. How to adjust resolution and focus of the camera?

1) adjust resolution

You can change the resolution of the camera as below click 3 2 5 to change it to different resolution respectively 640x480, 320x160



2) Adjust focus

You can twist the lens of the camera until you can view clearly

7. How to change your user name and password?





There are 3 levels of user authorization in it

- Administrator has the highest authority. Users can control any system setting. The factory default password is 123456.
- Operator you can click "Add" button and input a user name and password. Select operator user authorization. You can operate the device, but can't control any system setting.
- Viewer you can click "Add" and input a user name and password. Select viewer user authorization. You can only view the video, can't operate the device and can't control any system setting.

You can also add several user names on the same level and modify them

7 How to do One-key WiFi configuration?

Login APP spect. More" select. One Key WiFi Configuration" input WiFi SSID and password. click. "Configure"

Notice

- Before configuration please plug out power and then reboot the camera. You can configure the camera after 5 moutless he bill with indicators in the status of slow flash, otherwise the namera rain" the configured it needs to plug out power again.
- Put smartphone oudspeaker nearby the camera microphone then click configure prease confirm the camera has built in microphone otherwise the configuration will fail
- After the configuration is successful line blue AFF and cather will be in the status of fast flash. Then
 it immedithe million automatically white the bale indicator will be ON at the time if configuration fails
 you can clack "Configura" for twiadam.



8. How to view the video by mobile phone app?

You can get the app by the following two means

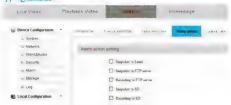
- 1) Obtain iSmartViewPro form on the attached CD
- 21 Search and download iSmartViewPro from Google Play Store or APP Store

And then install the app to the cameral please see the user manual for more details about iSmartViewPro

9. How to save picture and video of the camera?

You need to access into "Set up -> A arm -> Aram action". You can save the pictures and the videos to your Email. FTP server and SD card as below.





1. 製品概要

- (1) 本製品は、外出先のパソコンやスマートフォンなどから遠隔監視ができるワイヤレスネットワークカメラです。
- (2) 本製品は、パソコン、iPhone/iPad及びAndroid端末と組み合わせてお使いいただけます。
- (3) 本製品の初期設定時は、有線/無線(WiFi)両対応のルーターが必要です。モバイルWiFiルーターは、有線対応であっても動作保証を致しかねます。また、ネット接続に関するサポートは行ないませんので、悪しからずご了承ください。
- (4) 本製品はレンズ固定タイプです。PTZ(首振り・ズーム)機能は搭載しておりません。

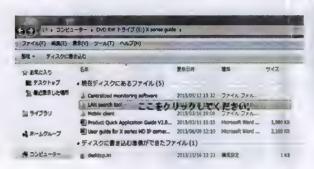
2. カメラ設置・接続

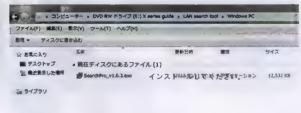
- (1) お買い上げのカメラが室内用か屋外用かを確認し、任意の場所に設置してください。屋外用カメラは、できるだけ雨水のかからない場所に設置してください。カメラ設置は、各種設定完了後でも構いません。
- (2) LANケーブルでカメラ本体をパソコンと同一のネットワークに有線接続してください。
- (3) カメラに付属のACアダプターを接続し、カメラ本体から出ているケーブル先端のリセットボタンを 15秒程度押します。その後、3分経過してから以下の作業を行なってください。

3. アプリのインストール及び設定

- (1) パソコンの場合
 - 1) 付属のCD-ROMを開き、LAN search toolという名前のフォルダー(下図)を開いてください。
 - 2) お使いのOSのフォルダー(WindowsまたはMacOS)を開くと、それぞれインストーラーがあります。以下、Windowsを例にとって説明します。
 - 3) SearchPro_v*.*.*.exeをダブルクリックすると、アプリをインストールできます。インストール後、デスクトップ上にSearchProのショートカットアイコンが生成されます。

注:パソコンの設定によっては、拡張子(.exe)が表示されないことがあります。

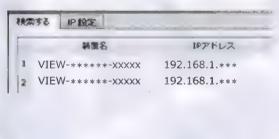




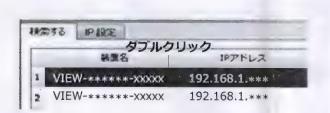
4) デスクトップ上のSearchProのショートカットアイコンをダブルクリックすると、以下のウィンドウが表示されます。「検索する」をクリックしてネットワーク上のカメラを検索してください。その後、ウィンドウ上に装置名(カメラID)、IPアドレスなどが表示されます。







5) 装置名(カメラID)とIPアドレスが表示されたら、その部分をダブルクリックしてください。その 直後、ログイン画面が表示されます。ユーザーIDをadmin、パスワードを123456としてログイ ンしてください。





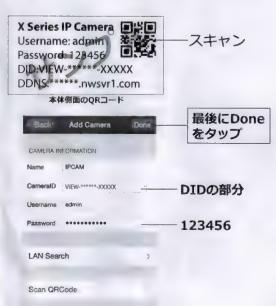
- 6) ログイン後、プラグイン(コントロールア プリ)のダウンロード画面が表示されま す。カメラの無線接続や詳細設定をされる 場合は、ダウンロード・インストールして ください。
- 7) アプリ上でカメラ映像が確認できれば、基本設定完了です。



プラグインダウンロード画面

- (2) スマートフォン・タブレットの場合
 - 1) スマートフォンまたはタブレットを、カメラと同一のネットワークにWiFi接続してください。
 - 2) AppStoreまたはGooglePlayでiSmartViewProと検索してアプリをダウンロード・インストールしてください。インストール後、iSmartViewProのアイコン(下図)が生成されます。
 - 3) iSmartViewProを起動し、Add Camera→Scan QR Codeと進んでください。
 - 4) カメラ本体側面のQRコード(下図はサンプル)をスキャンしてください。その後、Search Camera→ Add Cameraと進み、Usernameをadmin、Passwordを123456と入力し、最後にDoneをタップしてください。





5) アプリ上でカメラ映像が確認できれば、基本設定完了です。

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7d262c855793d

4. WiFi設定

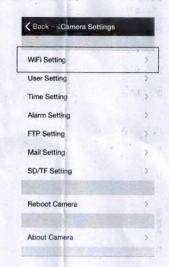
カメラをWiFi接続する場合は、パソコン、スマートフォンともアプリで設定します。 WiFi設定は、有線 LAN接続状態で、上述の基本設定完了後にカメラを再起動して行なってください。 パソコンの場合は、プラグイン(コントロールアプリ)がインストールされている必要があります。 【上記3.-(1)-6)参照】 (1) パソコンでの設定

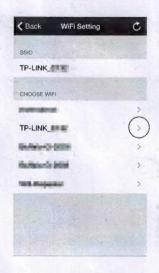
コントロールアプリを起動、Setup→WiFiと進み、以下の要領で設定してください。



- (2) スマートフォンでの設定
 - 1) スマートフォンをカメラと同一のネットワークにWiFi接続し、iSmartViewProを起動してください。
 - 2) 接続済のカメラをタップし、Edit Camera→Advanced Settingsと進んでください。
 - 3) WiFi Settingをタップし、お使いになるWiFiネットワークを選択し、>をタップしてパスワードを入力、最後にDoneをタップしてください。

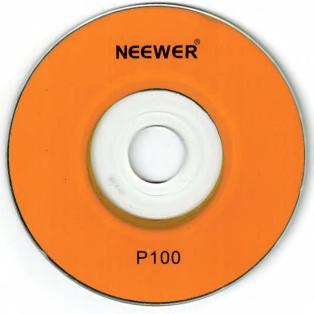






5. カメラリセット

カメラをネットに接続できない、あるいは不安定な場合は、LANケーブル及び電源ケーブルを接続した 状態で、リセットボタンを15秒押すとリセットできます。この場合はすべての設定がクリアされますの で、最初から再設定する必要があります。再設定はリセット後、3分経過してから行なってください。



HD Cloud IP Camera Mega Pixels PTZ IP Camera **SmartViewPro** Multiview on APPs One Key WiFi Set up Windows PC & Mac

HD Cloud IP Co











HD Cloud IP Camera



HD Quality 720P Resolution



Pan & Tilt Move camera up.



WiFi One key WiFi configuration via mobile APPs



Easy required in set-up



Micro/SD Card Save video & HD images to Micro/SD Card (max.: 64GB)



Day & Night happening 24/7



Multiview function Multiview on APPs and Windows PC & Mac



Motion Detection Be notified or record when there's activity



Audio High Quality Two-Way Audio



ONVIF Support ONVII





